



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_7560
Title of the Manuscript:	Statistical Inference for a Simple Step Stress Model Based on Censored Data from The Kumaraswamy Weibull Distribution
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, corrects the manuscript and highlights that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Compulsory REVISION comments	The manuscript uses sufficient and appropriate statistical analyses and the references are adequate. So, it is accepted for publication but, should be <u>improved</u> prior to publication by addressing the following comments: The language used to write the paper is not good and needs correcting of English mistakes, for example The sentence in page 4, beginning with "The sample" is not correct. Write "till" instead of "till" in page 5. Delete "Determinant" before GAV in page 8. Use "Secondly, the mean ..." instead of "The Secondly is" and also for Thirdly, in page 9. Add "are" before "used in this simulation...) in page 14. Write "rejected" instead of "reject" in page 12. • The paper needs to contain Acronyms and Notations. • The manuscript applied accelerated life test (ALT) on a new distribution, which was not used before for analyzing ALT, without studying its properties and whether it is suitable or not. • The authors should not compare between failure and time censoring, when they first introduced the first in page 5. • The symbol "N" should be used to represent the whole sample size, not the population in page 8. • The authors used "r_j" as a proportion of units fail in stage j, in page 8, while they assumed that "n_j" units fail in this stage in page 5. • The term "true parameter values" is used, which is wrong. It is better to use "initial parameter values" instead.	



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	• It is better to use "variance covariance matrix" in the Title of Table 2. It is preferable then to add a column contains a, b, β for each sample size. • The value of α should =0.05 or 0.01 not 0.5 in page 12. • In Table 8, the values of "t_0" should be the same for both the reliability and hazard functions. • The authors do not explain "as follows:" in page 13. • In the Simulation algorithm in page 14, the same assumptions of the case of failure censoring should not be repeated, only refer to them. • There are no equations after (28), so equation (37) should be (29). • Equations (41) and (43) are too long, so they should be divided into parts.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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